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FOR PAPER - 1449

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: CEL-003(7846/2)

APPLICANTS: Gardner et al.

SERIAL NO.: 09/872,339

FILING DATE: June 1, 2001

GROUP: ~~1643~~

1636

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
AAZ	A1	4,833,080		Brent et al.	X	X	
	A2	5,416,008		Bailey et al.	X	X	
	A3	5,589,392		Short	X	X	
	A4	5,972,650		Yao	X	X	
AAZ	A5	5,989,910A		Mermod et al.	X	X	

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
AAZ	B1	0 136 907 A2	10/01/84		X	X			
AAZ	B2	WO 00/32748	6/8/00		X	X			
AAZ	B3	WO 00/65080	11/2/00		X	X			

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
AAZ	C1	Amann et al., Vectors Bearing a Hybrid <i>trp-lac</i> Promoter Useful for Regulated Expression of Cloned Genes in <i>Escherichia coli</i> . (1983). <i>Gene</i> 25: 167-178.
AAZ	C2	Amann et al., 'ATG Vectors' for Regulated High-Level Expression of Cloned Genes in <i>Escherichia coli</i> . (1985). <i>Gene</i> 40: 183-190.
AAZ	C3	Backman et al., Maximizing Gene Expression on a Plasmid Using Recombination in Vitro. (1978). <i>Cell</i> 13: 65-71.
AAZ	C4	Bailey et al., Molecular Genetics and Control Systems: Biochemical Engineering Fundamentals. Second Edition. Chapter 6: 307-372.
AAZ	C5	Chen et al., Molecular Design of Expression Systems: Comparison of Different Repressor Control Configurations Using Molecular Mechanism Models. (1991). <i>Biotechnology and Bioengineering</i> 38: 679-687.
AAZ	C6	Chen et al., Construction and characterization of a novel cross-regulation system for regulating cloned gene expression in <i>Escherichia coli</i> . (1993) <i>Gene</i> 130: 15-22

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AA2	C7	Chen et al., Process Characterization of a novel cross-regulation system for cloned protein production in <i>Escherichia coli</i> . (1995). <i>Biotechnol. Prog.</i> 11(4): 397-402.
	C8	Cohen, Total Control: Now you can keep bugs in line with genetic clocks and switches. (2000). <i>New Scientist</i> .
	C9	Crowl et al., Versatile expression vectors for high-level synthesis of cloned gene products in <i>Escherichia coli</i> . (1985) <i>Gene</i> 38: 31-38.
	C10	Dedhia et al., Design of expression systems for metabolic engineering: coordinated synthesis and degradation of glycogen. (1997). <i>Biotechnol & Bioeng.</i> 55 (2): 420-426.
	C11	Gardner et al., Construction of a genetic toggle switch in <i>Escherichia coli</i> . (2000). <i>Nature</i> . 403: 339-342.
	C12	Gardner et al., Neutralizing noise in gene networks. (2000). <i>Nature</i> 405: 520-521.
	C13	Gardner, Design and Construction of Synthetic Gene Regulatory Networks. (2000). <i>Ph.D. Dissertation, Boston University</i> .
	C14	Goeddel et al., Expression in <i>Escherichia coli</i> of Chemically Synthesized Genes for Human Insulin. (1979) <i>Proc. Natl. Acad. Sci. USA</i> , 76 (1): 106-110.
	C15	Gorman et al., Regulation of the Yeast Metallothionein Gene. (1986). <i>Gene</i> , 48: 13-22.
	C16	Hadcock et al., Cross-regulation between G-protein-mediated Pathways, Stimulation of Adenylyl Cyclase Increases Expression of the Inhibitory G-protein G_{in2} . (1990). <i>The Journal of Biological Chemistry</i> 265 (25): 14784-14790.
	C17	Hadcock et al., Cross-regulation between G-protein-mediated Pathways, Activation of the Inhibitory Pathway of Adenylylcyclase Increases the Expression of β_2 Adrenergic Receptors. (1991). <i>The Journal of Biological Chemistry</i> 266 (18): 11915-11922.
	C18	Hasty et al., Noise-based switches and amplifiers for gene expression. (2000). <i>Proc. Natl. Acad. Sci. USA</i> . 97(5): 2075-80.
	C19	Kaufman, High Level Production of Proteins in Mammalian Cells. (1987). <i>Genetic Engineering: Principles and Methods</i> 9: 155-198.
	C20	Kramer et al., Isolation of Yeast Genes with mRNA levels controlled by phosphate concentration. (1980). <i>Proc. Natl. Acad. Sci. USA</i> . Vol. 77 (11): 6541-6545.
	C21	Lee et al., Genetically Structured Models for <i>lac</i> Promoter-Operator Function in the Chromosome and in Multicopy Plasmids: <i>lac</i> Promoter Function. (1984) <i>Biotechnology and Bioengineering</i> XXVI: 1383-1389.
	C22	Lee et al., Genetically Structured Models for <i>lac</i> Promoter-Operator Function in the <i>Escherichia coli</i> Chromosome and in Multicopy Plasmids: <i>lac</i> Operator Function. (1984). <i>Biotechnology and Bioengineering</i> XXVI: 1372-1382.
	C23	Monod et al., General Conclusions: Teleonomic Mechanisms in Cellular Metabolism, Growth, and Differentiation. (1961). <i>Cold Spring Harbor Symposia on Quantitative Biology</i> XXVI: 389-401
	C24	Moser et al., Characterization and Complementation of pMB1 Copy Number Mutant: Effect of RNA 1 Gene Dosage on Plasmid Copy Number and Incompatibility. (1983). <i>Journal of Bacteriology</i> 154 (2): 809-818.
	C25	Oshima, Regulatory Circuits for Gene Expression: The Metabolism of Galactose and Phosphate. (1982). <i>The Molecular Biology of the Yeast Saccharomyces: Metabolism and Gene Expression</i> : 159-180.
AA2	C26	PCT International Search Report from PCT/US99/28592.

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ADD	C27	Platt, Regulation of Gene Expression in the Tryptophan Operon of <i>Escherichia coli</i> . (1975). <i>The Operon</i> : 263-302.
	C28	Ptashne, Repressor and Its Action. (1971). <i>The Bacteriophage Lambda</i> 11: 221-237.
	C29	Seo et al., Effects of Recombinant Plasmid Content on Growth Properties and Cloned Gene Product Formation in <i>Escherichia coli</i> . (1985). <i>Biotechnology and Bioengineering</i> XXVII: 1668-1674.
	C30	Shockett et al., Diverse strategies for tetracycline-regulated inducible gene expression. (1996). <i>Proc. Natl. Acad. Sci. USA</i> . 93: 5173-5176.
	C31	Sledziewski et al., Construction of Temperature-Regulated Yeast Promoters Using the MATa2 Repression System. (1988). <i>Biotechnology</i> 6: 411-416.
ADD	C32	Windass et al., The construction of a synthetic <i>Escherichia coli trp</i> promoter and its use in the expression of a synthetic interferon gene. (1982). <i>Nucleic Acids Research</i> . 10 (21): 6639-6657.
EXAMINER <i>Gerald B. Heppner Jr.</i>		DATE CONSIDERED 4/7/03

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